

At page 4, line 15, replace "as used herein" with --, as used herein,--.

At page 4, line 17, delete "represent" and insert --represents--.

At page 4, line 18, replace "as used herein" with --, as used herein,--.

At page 5, line 6, replace "XL-PCR™" with --XL-PCR--.

At page 5, line 9, replace "GELVIEW™" with --GELVIEW--.

At page 6, line 17, replace "[REF PROT]-like" with --guanosine monophosphate reductase-like--.

At page 6, line 27, replace "as used herein" with --, as used herein,--.

At page 7, line 5, delete "hydrogen binds" and insert --hydrogen bonds--.

At page 7, line 15, delete "for the sequence" and insert --the sequence--.

At page 10, line 21, delete "chromosomes" and insert --chromosome--.

At page 11, line 20, replace "Fig. 1A, 1B, and 1C.)" with --Figures 1A, 1B, 1C, 1D and 1E--.

At page 11, line 23, replace "Fig. 2A and 2B," with --Figures 2A and 2B,--.

At page 11, line 25, delete "E coli" and insert --E. coli--.

At page 12, line 1, delete "E coli" and insert --E. coli--.

At page 12, line 1, replace "Fig. 3A, 3B" with --Figures 3A, 3B--.

At page 12, line 15, replace "Fig. 1." with --Figures 1A, 1B, 1C, 1D and 1E.--.

At page 14, line 11, replace "Sequenase®" with --SEQUENASE--.

At page 15, line 15, replace "PromoterFinder™" with --PROMOTERFINDER--.

At page 15, line 27, delete "devise" and insert --device--.

At page 15, line 28, replace "Genotyper™" with --GENOTYPER--.

At page 15, line 29, replace "Sequence Navigator™" with --SEQUENCE NAVIGATOR--.

At page 18, line 13, replace "Bluescript®" with --BLUESCRIPT--.

At page 18, line 14, replace "pSport1™" with --PSPORT1--.

At page 18, line 26, replace "Bluescript®" with --BLUESCRIPT--.

At page 19, line 22, replace "191-196." with --191-196).--.

At page 21, line 20, delete "which confer" and insert --which confers--.

- At page 21, line 29, delete "55:121-131)." and insert --55:121-131)--.
- At page 23, line 12, replace "Cleveland, OH)." with --(Cleveland, OH))--.
- At page 23, line 22, delete "sequence" and insert --sequences--.
- At page 24, line 4, replace "chromatography" with --chromatography)--.
- At page 24, line 9, delete "Merrifield" and insert --(Merrifield--.
- At page 24, lines 21 and 22, replace "subject, control and disease, samples" with --subject samples, control and disease,--.
- At page 27, line 7, replace "immunoglobulin" with --immunoglobulin--.
- At page 28, line 8, replace "retro viruses," with --retroviruses--.
- At page 32, line 1, replace "Hanks's" with --Hanks'--.
- At page 33, line 10, replace "between therapeutic and toxic" with --of toxic to therapeutic--.
- At page 34, line 19, delete "formation" and insert --formation.--.
- At page 34, line 21, delete "photometric," and insert --photometric--.
- At page 37, line 27, delete "techniques.," and insert --techniques.--.
- At page 38, line 7, delete "disease ," and insert --disease,--.
- At page 38, line 14, delete "as mouse" and insert --as a mouse--.
- At page 40, line 6, replace "an Beckman" with --a Beckman--.
- At page 40, line 12, replace "Sephacrose" with --SEPHAROSE--.
- At page 40, line 13, replace "pSport I" with --PSPORT1--.
- At page 40, line 21, replace "LIFE TECHNOLOGIES™" with --LIFE TECHNOLOGIES--.
- At page 41, line 7, replace "INHERIT™ 670" with --INHERIT 670--.
- At page 41, line 16, replace "INHERIT- 670" with --INHERIT 670--.
- At page 42, line 16, replace "LIFESEQ™" with --LIFESEQ--.
- At page 44, line 15, replace "QIAQuick™" with --QIAQUICK--.
- At page 45, line 20, replace "NEN®" with --NEN--.
- At page 45, line 21, replace "Sephadex" with --SEPHADEX--.
- At page 45, line 24, replace "NEN®" with --NEN--.